

NS-9 VEHICLE AND EQUIPMENT FUELING

Refer to: ITD Standard Drawings P-5-E



BMP Objectives

- ☐ Perimeter Control
- ☐ Slope Protection
- ☐ Borrow and Stockpiles
- ☐ Drainage Areas
- ☐ Sediment Trapping
- ☒ Stream Protection
- ☐ Temporary Stabilizing
- ☐ Permanent Stabilizing

Definition and Purpose

Vehicle and equipment fueling procedures and practices are designed to prevent the discharge of fuel spills and leaks into storm drain systems or to watercourses.

Appropriate Applications

These procedures are applied on all construction sites where vehicle and equipment fueling takes place.

Limitations

On-site vehicle and equipment fueling shall only be used where it's impractical to send vehicles and equipment off-site for fueling.

Design Parameters

- When fueling must occur on-site, the Contractor shall select and designate an area to be used.
- Absorbent spill clean-up materials and spill kits shall be available in fueling areas and on fueling trucks and shall be disposed of properly after use.
- Drip pans or absorbent pads shall be used during vehicle and equipment fueling, unless the fueling is performed over an impermeable containment area in a dedicated fueling area.
- Dedicated fueling areas shall be protected from stormwater run-on and runoff, and shall be located at least 150 feet from downstream drainage facilities and watercourses. Where possible, fueling should be performed on level-grade areas.
- Nozzles used in vehicle and equipment fueling shall be equipped with an automatic shut-off to control drips. Fueling operations shall not be left unattended.
- Protect fueling areas with impermeable berms and/or dikes to prevent stormwater run-on, runoff, and to contain spills.

- Use of vapor recovery nozzles helps control drips as well as air pollution where required by air quality permits and regulations. The nozzle shall be secured upright when not in use.
- Fuel tanks shall not be “topped off.”
- Vehicle and equipment leaks shall be repaired immediately on problem vehicles, or equipment shall be removed from the project site.
- Absorbent spill clean-up materials shall be available and appropriately identified in fueling and maintenance areas and used on small spills instead of hosing down or burying techniques. The spent absorbent material shall be removed promptly and disposed of properly.
- Federal, state, and local requirements shall be observed for any fueling facility and stationary aboveground storage tanks. Refer to WM-2 (Material Delivery and Storage).
- Mobile fueling of construction equipment throughout the site shall be minimized. Whenever practical, equipment shall be transported to the designated fueling area.

Maintenance and Inspection

- Inspections shall be conducted as required by the NPDES permit or contract specifications.
- An ample supply of spill cleanup material shall be kept on-site.
- Spills shall be immediately cleaned up and contaminated soil and cleanup materials shall be properly disposed of.
- Spills greater than or equal to reportable quantities shall be reported to the District’s Hazardous Material Coordinator and any other required agencies.